

**WEIGH IN MOTION SYSTEM
DEVICE TESTING - LEVEL C**

Project Name: _____ **Test Date:** _____

WIMS # _____ **Route:** _____ **MM** _____ . _____ **NB/SB/EB/WB/Median**
Nearest Side Street Name: _____

This procedure outlines Level C device test to be performed on Weigh in Motion System. Level C device testing demonstrates that each device is fully operational from the designated control center to the device work site after integration into the designated control center software management systems. After the Contractor's verification test, the Department will conduct a 14-day observational and functional test period.

PRIOR TO LEVEL C TESTING, ENSURE THAT NETWORK COMMUNICATIONS SYSTEM TESTING IS COMPLETE.

IS NETWORK COMMUNICATION SYSTEM TESTING COMPLETE?

YES **N/A**

IF YES, TEST DATE: _____ **TEST RESULT:** **PASS** **FAIL**

IF PASS, BEGIN LEVEL C TESTING

IF FAIL, REPEAT NETWORK COMMUNICATIONS TESTING AFTER TROUBLESHOOTING

IF N/A, EXPLAIN _____

Testing Software Name: _____ **Test Location:** _____

WIM Manufacturer: _____ **WIM Model No.:** _____ **WIM Serial No.:** _____

1. WIMS CONTROLLER

No.	Task	Required Value	Actual Value	Pass	Fail	Comments
I.	Verify communication with site WIM controller					
II.	Verify 8 digit station ID					
III.	Confirm recording and data storage interval settings	User selectable increments of 1, 5, 15, 30, 60 minutes				
IV.	Verify date and time					
V.	Verify sensor configuration, size & spacing					
VI.	Verify loop inputs and recording channels					
VII.	Verify available memory and memory in use					
VIII.	Verify data recording parameters	Speed, Length, Gap, headway, Volume				
IX.	Verify bin thresholds and view recordings by bin					
X.	Verify individual sensor activations					

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XI.	Verify individual recording in real time for each vehicle					
XII.	Map channels into groups, such as by direction and local and express lanes, for each sensor input					

2: DATA RETREIVAL

No.	Task	Required Value	Actual Value	Pass	Fail	Comments
I.	Obtain precise time of each individual sensor activation and recorded weights					
No.	Task	Required Value	Actual Value	Pass	Fail	Comments
II.	Create a classification scheme based on number and spacing of axles and select newly created classification scheme					
III.	Verify real time vehicle viewing selectable by lane with graphical output					

3: REPORT GENERATTION

No.	Task	Required Value	Actual Value	Pass	Fail	Comments
I.	Verify daily & weekly summary reports for the following:					
a.	Volume per increment					
b.	Vehicle Speed	Min. 16 user defined bins				
c.	Classification	Min. 24 user defined classes				
d.	Vehicle Length					
e.	Gap between vehicles					
f.	Headway between fronts of vehicles					
g.	Gross vehicle weights					
h.	Gross weight violations					
i.	Axle weight violations					
j.	Bridge formula violations					

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II.	Generate & verify error reports including time down, system access and improperly completed records	X	X			
III.	Verify the ability to automatic input of site & classification records into FHWA Vehicle Travel Information System (VTRIS) database	X	X			

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Nearest Side Street Name: _____

LEVEL C TEST RESULTS:

PASS

FAIL

Correction Work Items:

1. _____
2. _____
3. _____
4. _____
5. _____

We agree that Level C testing of the Weigh in Motion System has been performed and that the information above accurately represent the results of the test.

Contractor Name: _____

Contractor Representative Name: _____

Signature and Date: _____

ITS Inspector Name: _____

Signature and Date: _____

Resident Engineer Name: _____

Signature and Date: _____

Corrected Work Items:

ITS Inspector Signatures & Date

1. _____
2. _____
3. _____
4. _____
5. _____

- _____
- _____
- _____
- _____
- _____